

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Toshihiko FUKASAWA et al.

Group Art Unit: to be assigned

Serial No. : To be assigned (under §1.53(b))

Examiner: to be assigned

Filed : March 12, 2004

For : RELAY APPARATUS, SYSTEM AND METHOD, AND STORAGE MEDIUM

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

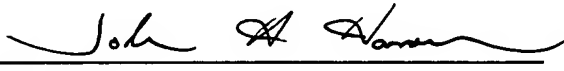
This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§1.56, 1.97 and 1.98. The items listed on Form PTO-1449, a copy of which is not enclosed, are made of record to assist the Patent and Trademark Office in its examination of this application. The Examiner is respectfully requested to fully consider the items and to independently ascertain their teaching.

1. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 that is not in the English language, an English language translation of that item or a portion thereof or a concise explanation of the relevance of that item is enclosed:
2. ☐ For each of the following items listed on the enclosed copy of Form PTO-1449 that is not in the English language, a concise explanation of the relevance of that item is incorporated in the specification of the above-identified application.
3. ☒ Any copy of the items listed on the enclosed copy of Form PTO-1449 that is not enclosed with this Information Disclosure Statement was previously cited by or submitted to the Patent and Trademark Office in application Serial No. 09/161,812, filed 9/28/1998.

4. ☒ No fee is due under 37 C.F.R. §1.17(p) for this Information Disclosure Statement since it is being filed in compliance with:
- ☒ 37 C.F.R. §1.97(b)(1), within three months of the filing date of a national application other than a CPA; or
  - ☐ 37 C.F.R. §1.97(b)(2), within three months of the date of entry into the national stage as set forth in §1.491 in an international application; or
  - ☒ 37 C.F.R. §1.97(b)(3), before the mailing date of a first Office action on the merits; or
  - ☐ 37 C.F.R. §1.97(b)(4), before the mailing date of a first office action after the filing of an RCE under §1.114.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 13-4503, Order No. 1232-4473US1

Respectfully submitted,  
MORGAN & FINNEGAN, L.L.P.

Dated: March 12, 2004

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<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION</b>				Attorney Docket: 1232-4473US1		Serial No.: to be assigned	
				Applicant(s): T. FUKASAWA, et al.		Examiner: to be assigned	
				Filing Date: March 12, 2004		Group Art Unit: to be assigned	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
	AA	5,724,355	3/3/1998	Bruno et al.	370	401	
	AB	6,091,951	07-2000	Sturniolo et al.	455	432.2	
	AC	5,530,905	06-1996	Nichols et al.	709	227	
	AD	2002/0092028	07-2002	Lin et al.	725	93	
	AE	6,246,695	06-2001	Seazholtz et al.	370	468	
	AF	6,011,587	01-2000	Sakazawa et al.	375	240.1	
	AG	5,903,302	05-1999	Browning et al.	348	14.08	
	AH	5,742,329	04-1998	Masunaga et al.	348	14.07	
	AI	5,740,214	04-1998	Rebec et al.	375	377	
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	AK	5,636,218	06-1997	Ishikawa et al.	370	401	
	AL	5,579,308	11-1996	Humpleman, Richard	370	352	
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	AR	6,385,193	05-2002	Civanlar et al.	370	352	
	AS	6,272,151	08-2001	Gupta et al.	370	489	
	AT	5,961,589	10-1999	Hensen, Carl Christian	709	205	
	AU	5,677,905	10-1997	Bigham et al.	370	395.21	
Examiner				Date Considered			
EXAMINER:      Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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U.S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
	AA	6,101,320	08-2000	Schuetze et al.	709	206	
	AB	6,067,571	05-2000	Igarashi et al.	709	232	
	AC	6,052,750	04-2000	Lea	710	72	
	AD	5,987,100	11-1999	Fortman et al.	379	88.14	
	AE	5,848,415	12-1998	Guck	707	10	
	AF	5,822,537	10-1998	Katseff et al.	709	231	
	AG	5,742,762	04-1998	Scholl et al.	709	200	
	AH						
	AI						

FOREIGN PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
	AJ						
	AK						
	AL						
	AM						

FOREIGN PATENT DOCUMENTS							
	AN						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AO						<input type="checkbox"/> Yes <input type="checkbox"/> No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.)							
	AP						
	AQ						

Examiner	Date Considered
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Examiner Initial		Patent Number	Publication Date	Name	Class	Sub- Class	Filing Date
	AA						
	AB						
<b>FOREIGN PATENT DOCUMENTS</b>							
	AC	JP 09-214564	8/15/1997	Japan			<input type="checkbox"/> Yes <input type="checkbox"/> No
	AD	JP 08-008907	1/12/1996	Japan			<input type="checkbox"/> Yes <input type="checkbox"/> No
	AE	JP 04-269087	9/25/1992	Japan			<input type="checkbox"/> Yes <input type="checkbox"/> No
	AF	JP 09-168027A	6/24/97	Japan	H04L 12	66	<input type="checkbox"/> Yes <input type="checkbox"/> No
	AG	JP 08-293873A	11-1996	Japan	H04L 12	28	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.)</b>							
	AH	Shin'ya Amano, et al., "SmartStreamer: Multimedia Server for Consumer Computing Era," Toshiba Review, Vol. 51, No. 1, 1996, Pages 26-29, and English Translation.					
	AI	Office Action dated May 12, 2003, in counterpart Japanese Application No. 9-267373.					
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	AK	Amir et al., "An Application Level Video Gateway", ACM, November 1995, 19 pages.					
	AL	Bisdikian et al., "The Multimedia Gateway: An evolution toward switched video services", IEEE, 1996, pages 54-58.					
	AM	Meggers, "Providing Video Conference for the Mobile User", IEEE, June 1996, pages 526-534.					
	AN	Willebeek-LeMair et al., "On Multipoint Control Unit for Videoconferencing", IEEE, 1994, pages 356-364.					
	AO	Sharon et al., "Rate Control of VBR H.261 Video on Frame Relay Networks", IEEE, 1995, pages 1443-1447.					
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	AR	Brookes et al., "Teaching Internet literacy to a large and diverse audience", ACM, 1997, pages 7-15.					
	AS	Huang et al., "Modeling and Simulation of Self-Similar Variable Bit Rate Compressed Video A United Approach", ACM, November 1995, pages 114-125.					
	AT	Lawhead et al., "The Web and distance learning: what is appropriate and what is not", ACM, 1997, pages 27-37.					
Examiner				Date Considered:			
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